

Intercession City Title V Permit Summary

Emission Limits:

Peaking Combustion Turbine # 1 - 6 Emission Limits

Pollutant	Emission Limit (No.2 Fuel Oil)	
SO ₂	0.5% Sulfur Content, by weight	
VE	20% Opacity	

Combustion Turbine #7 - 10 Emission Limits

Pollutant	Emission Limit (Natural Gas)	Emission Limit (No.2 Fuel Oil)
SO ₂	1 grain/100 dscf	0.2% Sulfur Content, by weight
NO _x	25 ppmvd (24-hour average)	42 ppmvd (24-hour average)
Particulate Matter	(7.50 lb/hr/unit)	0.01 lb/MMBtu (15.00 lb/hr/unit)
voc	3 lb/hr/unit	5 lb/hr/unit
Carbon Monoxide	21.30 lb/hr/unit	23 pppmvd (54 lb/hr/unit)
VE	10% Opacity at Full Load (20% opacity @ exceptional conditions)	10% Opacity at Full Load (20% opacity @ exceptional conditions)

Combustion Turbine #11 Emission Limits

Pollutant	Emission Limit (Natural Gas)	Emission Limit (No.2 Fuel Oil)
SO ₂	1 grain/100 dscf	0.2% Sulfur Content, by weight
NO _x	25 ppmvd (24-hour average)	42 ppmvd (24-hour average)
Particulate Matter	- (7.50 lb/hr/unit)	0.01 lb/MMBtu (17.00 lb/hr/unit)
voc	5.30 lb/hr/unit	9.00 lb/hr/unit
Carbon Monoxide	30.90 lb/hr/unit	25 ppmvd (79.00 lb/hr/unit)
VE	10% Opacity at Full Load (20% opacity @ exceptional conditions)	10% Opacity at Full Load (20% opacity @ exceptional conditions)

Last Revised: 10/24/2002

Combustion Turbine #12 -14 Emission Limits

Pollutant	Emission Limit (Natural Gas)	Emission Limit (No.2 Fuel Oil)
SO ₂	1 grain/100 dscf	0.05% Sulfur Content, by weight
NO _x	10 ppmvd - 9ppm (24-hour average) Complete	42 ppmvd (24-hour average)
voc	2.0 ppmvw as methane (2.0 lb/hr/unit)	4.0 ppmvw as methane (5.0 lb/hr/unit)
Carbon Monoxide	20.0 ppmvd (43.0 lb/hr/unit	20.0 ppmvd (44.0 lb/hr/unit)
VE	10% Opacity at Full Load	10% Opacity at Full Load

Notifications:

1) IMMEDIATELY NOTIFY ENVIRONMENTAL SERVICES FOR AN AGENCY NOTIFICATION IF...

P7 - P14:

 A unit has more than 4 hours in a 24 hour period of NOx excess emissions due to startup, shutdown or malfunctions (excess emission notification)

OR

 A unit has more than 2 hours in a 24 hour period of NOx excess emissions due to just malfunctions (excess emission notification)

OR

 A unit's daily 24-hour block average of NOx emissions exceeds the permit limit (permit exceedance notification).

P7 - P11:

NOx excess emission:

Gas: hourly NOx average greater than 25 ppmvd corrected to 15% O2 Oil: hourly NOx average greater than 42 ppmvd corrected to 15% O2

NOx permit exceedance:

Gas: 24-hour block NOx average* greater than 25 ppmvd corrected to 15% O2 Oil: 24-hour block NOx average* greater than 42 ppmvd corrected to 15% O2

P12 - P14:

NOx excess emission:

Gas: hourly NOx average greater than 10 ppmvd corrected to 15% O2 Oil: hourly NOx average greater than 42 ppmvd corrected to 15% O2

NOx permit exceedance:

Gas: 24-hour block NOx average* greater than 10 ppmvd corrected to 15% O2 Oil: 24-hour block NOx average* greater than 42 ppmvd corrected to 15% O2

2) Notify the state agency at least 15 days prior to annual compliance testing.

^{*} Calculated after excluding up to 4 hours of startup, shutdown and malfunction hours